

Client Meeting 1 (6/24/14)

Summary: Meeting started off by asking the client Scott Smith various questions relating to the many aspects of the project to get a feel of what we as a team are expected to have accomplished by the end of the project. We received a general sense of what we need to do for budget items, what deliverables are desired, and various items that pertain to achieving the desired goals laid out by Scott.

Questions Asked:

1. How will we deal with budgeting? (Darvin)
 - a. We need to take every necessary item for purchase to Scott for approval. There isn't a set budget at the current time. Anything that we deem necessary to purchase can be purchased if it is within reason.
2. How will we get access to buildings? (Darvin)
 - a. Scott or one of his employees will need to accompany us unless Scott can talk facilities into giving us some sort of access to the building without giving us a master key.
3. What is Scott's schedule? (Darvin)
 - a. Scott will give us his schedule via Outlook.
4. Where are you looking for improvements? What equipment? (Darvin)
 - a. Would like to see improvements in efficiencies and more knowledge of the system that is in place. I.E what are all the measurements currently being done and what each measurement means.
5. Will this project be used to implement real changes to the chiller, or is it merely a case study? (Patrick)
 - a. At the moment the project is just a case study to start future changes and optimization of the plant.
6. What does it cost to run the chiller? (Patrick)
 - a. We were given an estimate of last year's costs at 3 cents per ton of cooling.
7. Is there a lot of maintenance required? How much does that cost? (Patrick)
 - a. No huge maintenance has been done to get a true picture of how maintenance will affect this plant since it is a fairly new operation.
8. How is the chiller controlled/monitored? (Patrick)
 - a. The chiller is controlled using an ATS control (Alerton Technology System). Monitored from the steam plant via a workstation computer.
9. Are on-site personnel required or is it remotely operated? (Patrick)
 - a. This is a remotely monitored system, Only need to be on-site for maintenance or to check to see if the controls are working properly.
10. Are there any constraints for this project? If so, what are they? (Patrick)
 - a. Must not interfere with normal operations for summer chilling workload, Working with the HVAC People, Getting the instrumentation as soon as possible, and the short chilling season here in Moscow.

11. What standards should we be looking for when researching the control and data acquisition equipment? (Chris)
 - a. Can be rated for anything but doesn't need to be rated for explosives or anything that restrictive
12. When do we need instrumentation and data-logging equipment by? (Ali)
 - a. We need to have everything hooked up and running before at least the end of the cooling season which is in october, preferably before the end of the first few weeks of the summer senior design course.

Total Meeting Time: 1 hour